



# Risk Assessment

## Tomahawk Throwing

### Document Control

| Issue # | Written By                | Approved By           | Review Due |
|---------|---------------------------|-----------------------|------------|
| 1       | M. Davenport (04.01.2019) | L. Upton (05.01.2019) | 05.01.2020 |
| 2       | M. Davenport (05.09.2020) | L. Upton (06.09.2020) | 06.09.2021 |
| 3       | M. Davenport (06.03.2022) | L. Upton (06.03.2022) | 06.03.2023 |
| 4       | M. Davenport (29.01.2023) | L. Upton (15.01.2023) | 15.04.2024 |
| 5       | M. Davenport (03.04.2024) | L. Upton (03.04.2024) | 03.04.2025 |
| 6       | M. Davenport (10.04.2025) | L. Upton (10.04.2025) | 10.04.2026 |
| 7       | M. Davenport (09.04.2026) | L. Upton (09.04.2026) | 09.04.2027 |

### Description of Severity, Probability and Risk Factors

| <b>S = Severity</b> | <b>Description</b>  | <b>P = Probability</b> | <b>Description</b>  | <b>R.F. = Risk Factor</b> | <b>Description</b>   |
|---------------------|---|------------------------|---|---------------------------|--|
| 1<br>Insignificant  | No Injury<br>No financial loss  | 1<br>Rare              | Conveivable but only in extreme circumstances                   | 1<br>3                    | Low Risk.<br>Very little risk of harm to participants  |
| 2<br>Minor          | First aid treatment<br>Some financial loss or penalty                           | 2<br>Unlikely          | Hasn't happened yet, but could still happen                     | 4<br>9                    | Moderate Risk.<br>Very little risk of harm to participants if control measures are followed.               |
| 3<br>Moderate       | Medical treatment required<br>Financial loss or penalty                         | 3<br>Possible          | Could happen or has happened infrequently in the past           | 12<br>15                  | High Risk<br>Some acceptable residual risk to participants.<br>Enhanced control measures must be followed. |
| 4<br>Major          | Medical treatment in hospital required<br>Significant financial loss or penalty | 4<br>Likely            | Could easily happen or has happened more frequently in the past | 16<br>25                  | Catastrophic Risk<br>Unacceptable level of risk  |
| 5<br>Catastrophic   | Death<br>Massive financial loss or penalty                                      | 5<br>Almost Certain    | Often occurs  |                           |  |

| Hazard  | Involved                                 | Risk  | Control Measures  | Residual Risk  | Acceptable |
|---|--|---|---|--|------------|
| Slips, Trips, Falls from Uneven Surface   | Participants, Instructors and Spectators | P = 4 - LIKELY<br>S = 3 - MODERATE<br>R.F. = 12 - HIGH      | Range area to be cleared of any branches.<br><br>Walkways and paths to be clearly defined and marked<br><br>Participants warned to look out for exposed tree-roots and tree-stumps as part of the safety briefing given at the start of each session.<br><br>Leader supervising the session to conduct a visual inspection of the range area and clear any branches or obstructions which may have fallen or contact the site services team if assistance is required clearing the range.   | P = 2 - UNLIKELY<br>S = 2 - MINOR<br>R.F. = 4 - MODERATE | YES        |
| Injury from falling targets, when retrieving tomahawks                            | Participants and Instructors             | P = 2 - UNLIKELY<br>S = 3 - MODERATE<br>R.F. = 6 - MODERATE | Annual checks and maintenance of the target stands, as per the planned maintenance schedule..<br><br>Leaders supervising the session to check that the targets are secure, at the start of each session, prior to use.  | P = 1 - RARE<br>S = 3 - MODERATE<br>R.F. = 3 - LOW       | YES        |
| Cuts and Injuries from sharp edges on tools, while retrieving tomahawks           | Participants and Instructors             | P = 2 - UNLIKELY<br>S = 2 - MINOR<br>R.F. = 4 - MODERATE    | Angels and Tomahawks to have dulled edges and be purpose made for throwing.<br><br>Participants warned about this potential risk, including residual burrs, as part of the safety briefing given at the start of each session.<br><br>If any burrs are found, they are to be immediately filed down or the tool is to be removed from use until it has been.  | P = 1 - RARE<br>S = 2 - MINOR<br>R.F. = 2 - LOW          | YES        |
| Being hit by a tool (release behind thrower, over throw, misdirection or rebound) | Participants, Instructors and Spectators | P = 3 - POSSIBLE<br>S = 4 - MAJOR<br>R.F. = 12 - HIGH       | Targets are to be mounted on a suitable back wall with clear space behind.<br><br>Area behind the targets to be clearly marked and fenced/roped off while the range is in use so that there is no change of anyone walking behind the targets during a session.<br><br>All participants to be given a full safety briefing and instruction on the correct technique for the activity, which is to include both throwing and retrieving tools.<br><br>All participants shall wear suitable footwear (no open toes) and clothing (nothing flappy or dangly). Groups to be advised of this, via the Welcome Pack.<br><br>Participants are to stand a minimum of 3m from the target while throwing. The 'Throwing-Line' is to be clearly marked.<br><br>Participants waiting for their turn must remain in the clearly marked waiting area until they are called by one of the instructors or the range officer.<br><br>Spectators are to remain outside of the activity area, which is to be clearly | P = 1 - RARE<br>S = 4 - MAJOR<br>R.F. = 4 - MODERATE     | YES        |

marked and fenced/roped off at all times while in use.

Instructors are to be positioned to the side of the participants while throwing.

Range Officer to check around the participants on the throwing line, and is to check that all other personnel are clear before giving the throw command.

Range Officer to confirm that all tools have been thrown prior to giving the command to retrieve tools from the target, using the "Jazz Hands" principle.  
Tools are only to be retrieved from the targets when the Range Officer gives the command to do so.

Tools in the target to be retrieved before those on the ground, unless the Range Officer deems the ones sticking out of the ground to be a greater hazard than those in the target to the participants retrieving tools.

If "Bear Trap" presents itself, these are to be retrieved by a competent, trained person only.

|  |                                       |   |  |   |     |
|--|---------------------------------------|---|--|---|-----|
| Strains or aggravation of old/pre-existing injuries from Repetitive Movement | Participants and Instructors          | P = 2 - UNLIKELY<br>S = 3 - MODERATE<br>R.F. = 6 - MODERATE | Safety briefing at the start of the session to all participants to include a warning that the activity is not suitable for those with pre-existing injuries. Details to be sent to groups in the welcome pack.<br><br>Participants to be advised that they should stop if they feel they're getting tired or feel any discomfort.<br><br>Appropriate tools to be chosen by the leaders supervising the session, based on age, strength and ability of the group. | P = 1 - RARE<br>S = 2 - MINOR<br>R.F. = 2 - LOW | YES |
| Injuries due to participants becoming distracted                             | Participants, Instructors, Spectators | P = 2 - UNLIKELY<br>S = 3 - MODERATE<br>R.F. = 6 - MODERATE | All groups to be supervised and managed by appropriate leaders.<br><br>At least one leader must be trained and assessed as competent, in line with association rules for the activity.<br><br>The safety briefing at the start of each session to include expectations as to how participants are to behave while undertaking the activity.<br><br>Training course for leaders to include aspects of group management for the activity.                          | P = 1 - RARE<br>S = 2 - MINOR<br>R.F. = 2 - LOW | YES |
| Injury following misuse or unauthorised access to the tools / activity       | All Persons                           | P = 1 - RARE<br>S = 3 - MODERATE<br>R.F. = 3 - LOW          | Tools to be stored securely in a locked container when not in use.<br><br>Tools to be counted out and back in at each session.<br><br>Only trained, authorised leaders to be given access to the container with the  | P = 1 - RARE<br>S = 2 - MINOR<br>R.F. = 2 - LOW | YES |

tools.

|   |             |   |   |  |     |
|---|-------------|---|---|--|-----|
| Injuries due to lapse in judgement or concentration from instructor fatigue | All Persons | P = 2 - UNLIKELY<br>S = 3 - MODERATE<br>R.F. = 6 - MODERATE | When operating for prolonged periods, ensure that there are enough staff to rotate responsibilities.<br><br>Schedule for regular breaks and refreshments according to weather conditions and nature of the groups participating.  | P = 1 - RARE<br>S = 2 - MINOR<br>R.F. = 2 - LOW          | YES |
| Injuries due to untrained instructors                                       | All Persons | P = 1 - RARE<br>S = 4 - MAJOR<br>R.F. = 4 - MODERATE        | All instructors to be trained either by KATTA or by a nominated training under the permission of Drum Hill Scout Camp and Derbyshire County Scout Council.<br><br>Any assistance instructors will have appropriate experience and be under the supervision of a trained instructor.   | P = 1 - RARE<br>S = 3 - MODERATE<br>R.F. = 3 - LOW       | YES |
| Large Scale Events  | All Persons | P = 1 - RARE<br>S = 2 - MINOR<br>R.F. = 2 - LOW             | Sufficient number of instructors available to rotate to prevent boredom and fatigue.<br><br>Consideration given to prolonged exposure to prevailing weather conditions.<br><br>Instructors aware of how to get support from the event team, e.g. in the event of a medical emergency. | P = 2 - UNLIKELY<br>S = 2 - MINOR<br>R.F. = 4 - MODERATE | YES |